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TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1	APR 04	Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 3	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 4	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 5	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 6	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 7	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 8	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 9	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 10	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 11	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 12	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 13	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 14	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 15	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 16	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS 17	JUL 28	CA/CAplus patent coverage enhanced
NEWS 18	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 19	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 20	JUL 28	STN Viewer performance improved
NEWS 21	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 22	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 23	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 24	AUG 15	CAplus currency for Korean patents enhanced
NEWS 25	AUG 25	CA/CAplus, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS 26	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

## NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN      Welcome Banner and News Items  
NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'REGISTRY' ENTERED AT 10:30:02 ON 17 SEP 2008  
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STRUCTURE FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3  
DICTIONARY FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10551904.str



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chain nodes :
10 11 22 23
ring nodes :
1 2 3 4 5 6 7 8 9 15 16 17 18 19 20
chain bonds :
7-10 8-15 19-22 22-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 15-16 15-20 16-17 17-18 18-19
19-20
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 8-9 8-15 19-22 22-23
exact bonds :
5-7 6-9 7-10
normalized bonds :
15-16 15-20 16-17 17-18 18-19 19-20
isolated ring systems :
containing 1 : 15 :

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G1:C,O,S,N

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 22:CLASS 23:CLASS

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L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 10:30:35 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 16 TO ITERATE

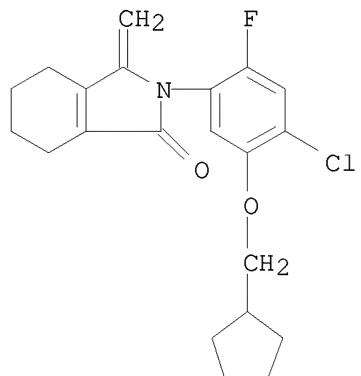
100.0% PROCESSED 16 ITERATIONS 7 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 80 TO 560  
PROJECTED ANSWERS: 7 TO 298

L2 7 SEA SSS SAM L1

=> d scan

L2 7 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN 1H-Isoindol-1-one, 2-[4-chloro-5-(cyclopentylmethoxy)-2-fluorophenyl]-  
2,3,4,5,6,7-hexahydro-3-methylene-  
MF C21 H23 Cl F N O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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=> s 11 full
FULL SEARCH INITIATED 10:30:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 173 TO ITERATE

100.0% PROCESSED 173 ITERATIONS 45 ANSWERS
SEARCH TIME: 00.00.01
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L3 45 SEA SSS FUL L1
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=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
178.36 178.57
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FILE 'CAPLUS' ENTERED AT 10:30:49 ON 17 SEP 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 17 Sep 2008 VOL 149 ISS 12
FILE LAST UPDATED: 16 Sep 2008 (20080916/ED)
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Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

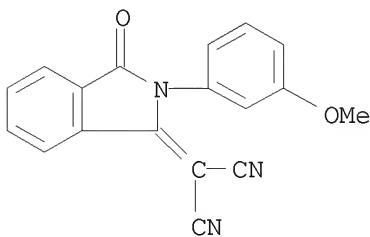
Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

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L4 10 L3
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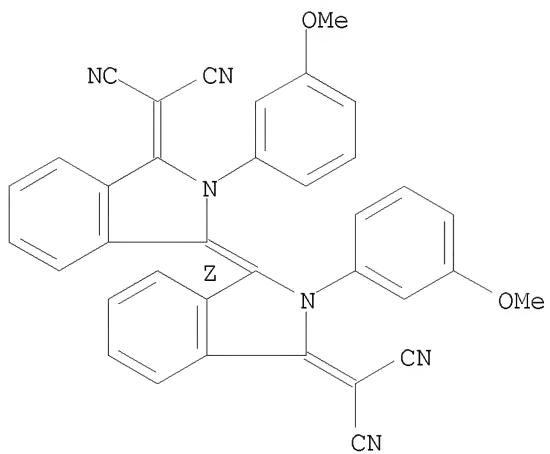
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L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:486256 CAPLUS  
 DOCUMENT NUMBER: 139:261118  
 TITLE: New reaction of ethenetetracarbonitrile with N-arylisindolines  
 AUTHOR(S): Dopp, Dietrich; Hassan, Alaa A.; Mourad, Aboul-Fetouh E.; Nour El-Din, Ahmed M.; Angermund, Klaus; Kruger, Carl; Lehmann, Christian W.; Rust, Jorg  
 CORPORATE SOURCE: Institut fur Chemie, Universitat Duisburg-Essen, Duisburg, D-47048, Germany  
 SOURCE: Tetrahedron (2003), 59(27), 5073-5081  
 CODEN: TETRAB; ISSN: 0040-4020  
 PUBLISHER: Elsevier Science B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 139:261118  
 AB N-arylisindolines react with ethenetetracarbonitrile in aerated benzene by formation of [3-(2-aryl-3-dicyanomethylene-2,3-dihydro-1H-isindol-1-ylidene)-2-aryl-2,3-dihydro-1H-isindol-1-ylidene]propanedinitriles (20-36%), N-aryl-3-dicyanomethylene-isindol-2-ones (15-21%) and N-arylphtalimides (4-9%) as well as 1,1,2,2-tetracyanoethane (35-55%). The structure of [3-[3-(dicyanomethylene)-2,3-dihydro-2-(3-methylphenyl)-1H-isindol-1-ylidene]-2,3-dihydro-2-(3-methylphenyl)-1H-isindol-1-ylidene]propanedinitrile has been unambiguously confirmed by a single crystal X-ray structure anal. A rationale for the formation of products 8-11 is presented. For example, the reaction of ethenetetracarbonitrile with 2,3-dihydro-2-(2-methoxyphenyl)-1H-isindole gave [3-[3-(dicyanomethylene)-2,3-dihydro-2-(2-methoxyphenyl)-1H-isindol-1-ylidene]-2,3-dihydro-2-(2-methoxyphenyl)-1H-isindol-1-ylidene]propanedinitrile, [2,3-dihydro-2-(2-methoxyphenyl)-3-oxo-1H-isindol-1-ylidene]propanedinitrile, 2-(2-methoxyphenyl)-1H-isindole-1,3(2H)-dione, and 1,1,2,2-ethanetetracarbonitrile.  
 IT 170300-33-1P, [2,3-Dihydro-2-(3-methoxyphenyl)-3-oxo-1H-isindol-1-ylidene]propanedinitrile 600724-02-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (reaction of ethenetetracarbonitrile with N-arylisindolines)  
 RN 170300-33-1 CAPLUS  
 CN Propanedinitrile, 2-[2,3-dihydro-2-(3-methoxyphenyl)-3-oxo-1H-isindol-1-ylidene]- (CA INDEX NAME)



RN 600724-02-5 CAPLUS  
CN Propanedinitrile, [(3Z)-3-[3-(dicyanomethylene)-2,3-dihydro-2-(3-methoxyphenyl)-1H-isoindol-1-ylidene]-2,3-dihydro-2-(3-methoxyphenyl)-1H-isoindol-1-ylidene]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



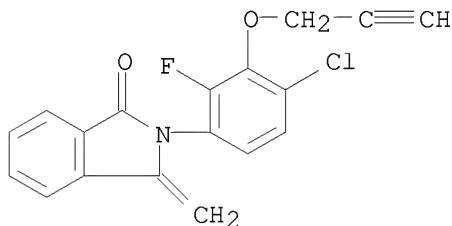
REFERENCE COUNT:

39

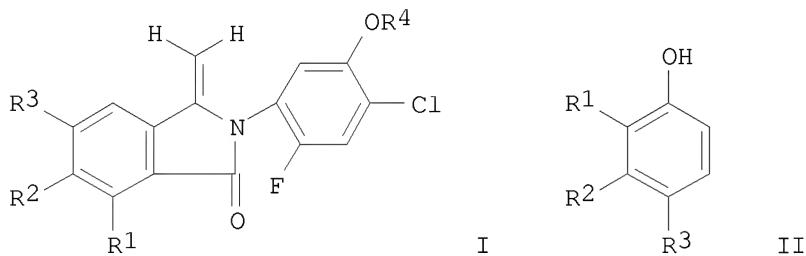
THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2000:744988 CAPLUS  
DOCUMENT NUMBER: 133:266725  
TITLE: Preparation of herbicidal 2,3-dihydro-3-methylene-2-  
(substituted)-1H-isoindol-1-one derivatives  
INVENTOR(S): Yu, Eung-Kul; Kim, Jae-Nyung  
PATENT ASSIGNEE(S): Korea Research Institute of Chemical Technology, S.  
Korea  
SOURCE: Repub. Korea, No pp. given  
CODEN: KRXXFC  
DOCUMENT TYPE: Patent  
LANGUAGE: Korean  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

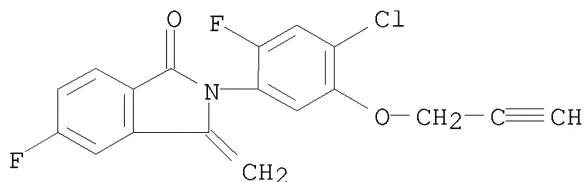
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 128544	B1	19980404	KR 1994-16984	19940714
			KR 1994-16984	19940714
PRIORITY APPLN. INFO.:				
AB	The title derivs. [e.g., 2,3-dihydro-3-methylene-2-(3-propargyloxy-4-chloro-2-fluorophenyl)-1H-isoindol-1-one], useful as herbicides, were prepared			
IT	298185-08-7P RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of herbicidal 2,3-dihydro-3-methylene-2-(substituted)-1H-isoindol-1-one derivs.)			
RN	298185-08-7 CAPLUS			
CN	1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-3-(2-propyn-1-yloxy)phenyl]-2,3-dihydro-3-methylene- (CA INDEX NAME)			



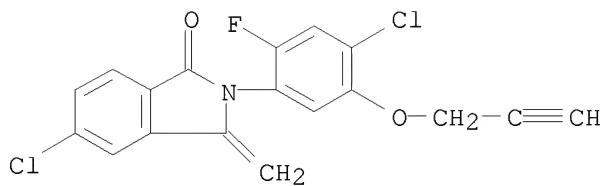
L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1996:88798 CAPLUS  
DOCUMENT NUMBER: 124:232184  
ORIGINAL REFERENCE NO.: 124:43007a, 43010a  
TITLE: A facile synthetic method of herbicidal  
2,3-dihydro-3-methylene-2-substituted-phenyl-1H-  
isoindol-1-one derivatives  
AUTHOR(S): Kim, Jae Nyoung; Ryu, Eung K.  
CORPORATE SOURCE: Dep. Chem., Chonnam Natl. Univ., Kwangju, 500-757, S.  
Korea  
SOURCE: Synthetic Communications (1996), 26(1), 67-74  
CODEN: SYNCAN; ISSN: 0039-7911  
PUBLISHER: Dekker  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 124:232184  
GI



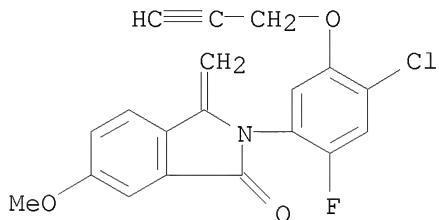
AB Herbicidal 2,3-dihydro-3-methylene-2-substituted phenyl-1H-isoindol-1-one derivs. I (R1 = H, Cl, R2 = H, OMe, Me, R3 = F, Cl, H, Me, R4 = CH2C.tplbond.CH, Et, CHMeCN) have been synthesized. They were prepared from the easily available phenol derivs. II in 5 steps in moderate yields.  
 IT 174813-47-9P 174813-48-0P 174813-49-1P  
 174813-50-4P 174813-51-5P 174813-52-6P  
 174813-53-7P 174813-54-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of methylenephenoxyisoindolones)  
 RN 174813-47-9 CAPLUS  
 CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-5-fluoro-2,3-dihydro-3-methylene- (CA INDEX NAME)



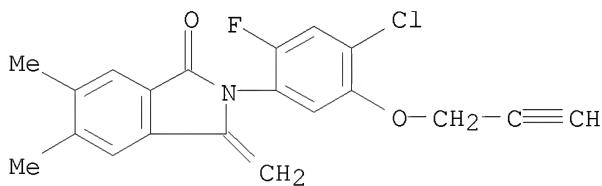
RN 174813-48-0 CAPLUS  
CN 1H-Isoindol-1-one, 5-chloro-2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-2,3-dihydro-3-methylene- (CA INDEX NAME)



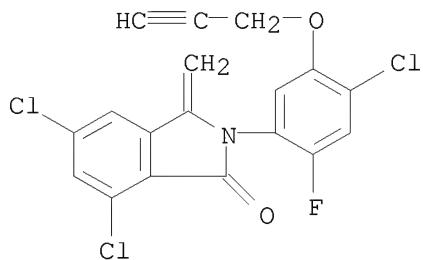
RN 174813-49-1 CAPLUS  
 CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-2,3-dihydro-6-methoxy-3-methylene- (CA INDEX NAME)



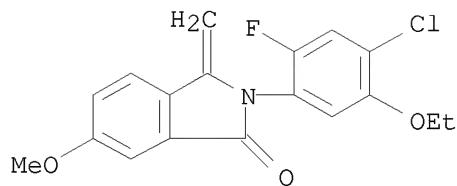
RN 174813-50-4 CAPLUS  
 CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-2,3-dihydro-5,6-dimethyl-3-methylene- (CA INDEX NAME)



RN 174813-51-5 CAPLUS  
 CN 1H-Isoindol-1-one, 5,7-dichloro-2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-2,3-dihydro-3-methylene- (CA INDEX NAME)

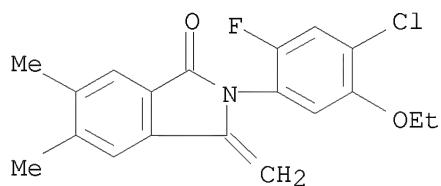


RN 174813-52-6 CAPLUS  
 CN 1H-Isoindol-1-one, 2-(4-chloro-5-ethoxy-2-fluorophenyl)-2,3-dihydro-6-methoxy-3-methylene- (CA INDEX NAME)



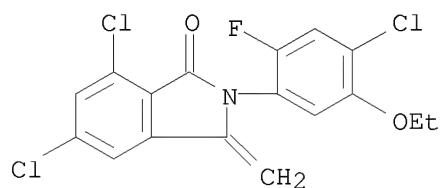
RN 174813-53-7 CAPLUS

CN 1H-Isoindol-1-one, 2-(4-chloro-5-ethoxy-2-fluorophenyl)-2,3-dihydro-5,6-dimethyl-3-methylene- (CA INDEX NAME)

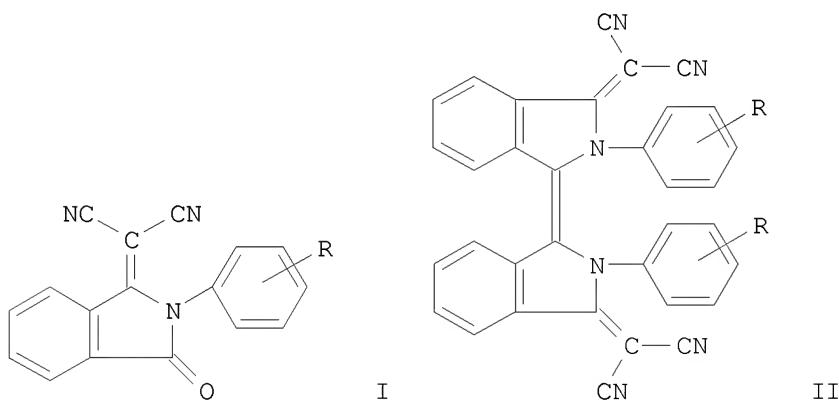


RN 174813-54-8 CAPLUS

CN 1H-Isoindol-1-one, 5,7-dichloro-2-(4-chloro-5-ethoxy-2-fluorophenyl)-2,3-dihydro-3-methylene- (CA INDEX NAME)



L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1995:689220 CAPLUS  
DOCUMENT NUMBER: 123:338851  
ORIGINAL REFERENCE NO.: 123:60811a, 60814a  
TITLE: Chemical and electrochemical reduction of the products from the reactions of isoindolines and tetracyanoethylene  
AUTHOR(S): Carloni, Patricia; Greci, Lucedio; Stipa, Pierluigi; Doepp, Dietrich; Hassan, Alaa El-Din Abdel Hafeez; Alberti, Angelo  
CORPORATE SOURCE: Dip. Sci. Mater. Terra, Univ. Ancona, Ancona, I-60131, Italy  
SOURCE: Tetrahedron (1995), 51(27), 7451-8  
CODEN: TETRAB; ISSN: 0040-4020  
PUBLISHER: Pergamon  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
GI



AB The reduction potentials of compds. resulting from the title reaction and containing one (I' R=p-, m-MeO) or two (II; R=H, p-,m-MeO, p-Me) dicyanovinylidene moieties have been determined by means of cyclic voltammetry. Electrochem. reduction of the same compds. within the cavity of an EPR spectrometer led to the observation of radical species tentatively identified as the corresponding radical anions. EPR expts. have also provided indication that the first formed species in the butoxide reduction of II undergoes cleavage of the bond between the two heterocyclic systems evolving to radical anions identical to those obtained by similar reduction of compds. I. Some models compds. have also been investigated for comparison purposes.

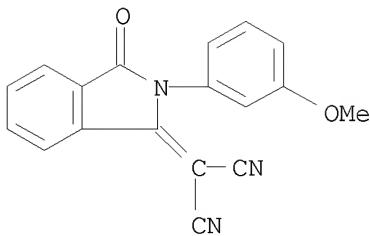
IT 170300-36-4

RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation, nonpreparative)

(ESR parameters for radical anions observed upon chemical or electrochem. reduction of isoindoline-tetracyanoethylene adducts)

RN 170300-36-4 CAPLUS

CN Propanedinitrile, [2,3-dihydro-2-(3-methoxyphenyl)-3-oxo-1H-isoindol-1-ylidene]-, radical ion(1-) (9CI) (CA INDEX NAME)

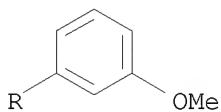
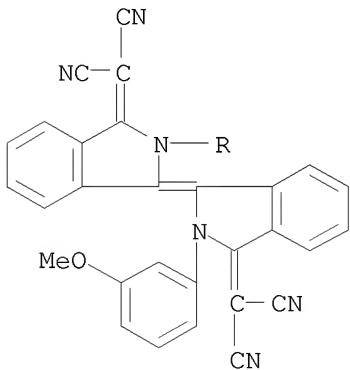


IT 170300-28-4 170300-33-1

RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)  
(ESR parameters for radical anions observed upon chemical or electrochem. reduction of isoindoline-tetracyanoethylene adducts)

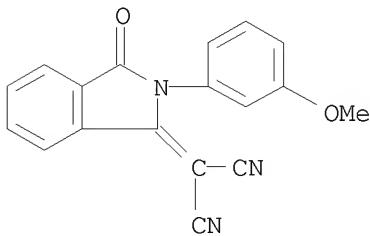
RN 170300-28-4 CAPLUS

CN Propanedinitrile, [3-[3-(dicyanomethylene)-2,3-dihydro-2-(3-methoxyphenyl)-1H-isoindol-1-ylidene]-2,3-dihydro-2-(3-methoxyphenyl)-1H-isoindol-1-ylidene]- (9CI) (CA INDEX NAME)



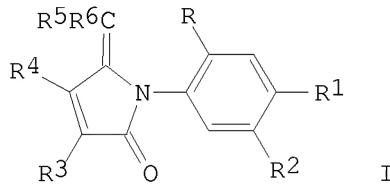
RN 170300-33-1 CAPLUS

CN Propanedinitrile, 2-[2,3-dihydro-2-(3-methoxyphenyl)-3-oxo-1H-isoindol-1-ylidene]- (CA INDEX NAME)



L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1991:207016 CAPLUS  
 DOCUMENT NUMBER: 114:207016  
 ORIGINAL REFERENCE NO.: 114:34911a, 34914a  
 TITLE: Herbicidal N-arylpyrrolinones  
 INVENTOR(S): Elbe, Hans Ludwig; Marhold, Albrecht; Luerssen, Klaus;  
 Santel, Hans Joachim; Schmidt, Robert R.; Krauskopf,  
 Birgit  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 64 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 403891	A1	19901227	EP 1990-110853	19900608
R: BE, CH, DE, FR, GB, IT, LI, NL				
DE 3920271	A1	19910103	DE 1989-3920271	19890621
US 5045108	A	19910903	US 1990-534383	19900607
JP 03031256	A	19910212	JP 1990-158848	19900619
PRIORITY APPLN. INFO.:			DE 1989-3920271	A 19890621
OTHER SOURCE(S):	CASREACT 114:207016; MARPAT 114:207016			
GI				

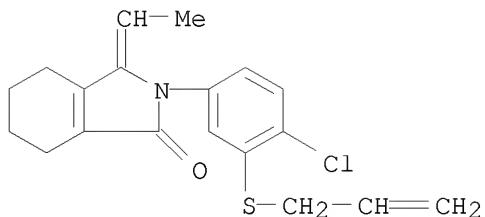


AB Title compds. I [R = H, halogen; R1 = cyano, NO<sub>2</sub>, F, Cl, Br, iodo, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio; R2 = halogen, OH, SH, (un)substituted alkoxy, alkenyloxy, alkynyloxy, cycloalkoxy, alkylthio, alkenylthio, alkynylthio, cycloalkylthio; R3, R4 = H, halogen, alkyl; R5, R6 = H, alkyl; R3R4, R5R6 = alkanediyl] were prepared. Thus, MeCOCMe<sub>2</sub>CH:CHCO<sub>2</sub>H was treated with 4,2,5-NC(F<sub>2</sub>)C<sub>6</sub>H<sub>2</sub>NH<sub>2</sub> to give I (R = R<sub>2</sub> = F, R<sub>1</sub> = cyano, R<sub>3</sub> = R<sub>4</sub> = Me, R<sub>5</sub> = R<sub>6</sub> = H). I have herbicidal activity both pre- and post-emergence.

IT 133715-52-3P 133715-56-7P 133715-58-9P  
 133715-60-3P 133715-62-5P 133715-63-6P  
 133715-64-7P 133715-66-9P 133715-69-2P  
 133715-71-6P 133715-72-7P 133715-73-8P  
 133715-74-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

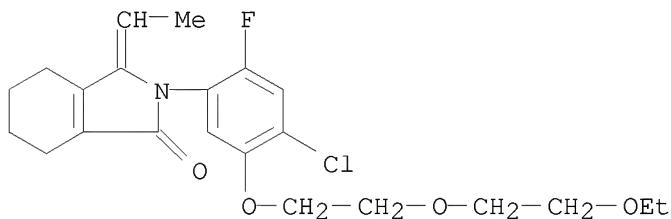
RN 133715-52-3 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-3-(2-propen-1-ylthio)phenyl]-3-ethylidene-2,3,4,5,6,7-hexahydro- (CA INDEX NAME)



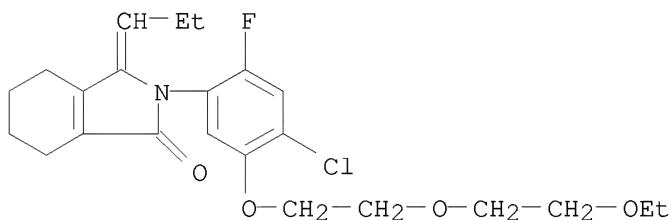
RN 133715-56-7 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-[2-(2-ethoxyethoxy)ethoxy]-2-fluorophenyl]-3-ethylidene-2,3,4,5,6,7-hexahydro- (CA INDEX NAME)



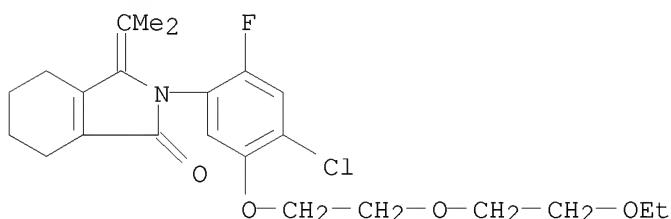
RN 133715-58-9 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-[2-(2-ethoxyethoxy)ethoxy]-2-fluorophenyl]-2,3,4,5,6,7-hexahydro-3-propylidene- (CA INDEX NAME)



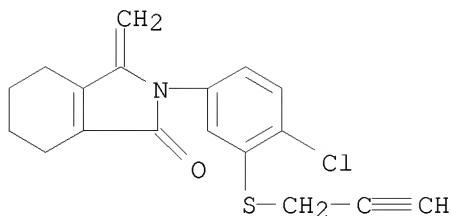
RN 133715-60-3 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-[2-(2-ethoxyethoxy)ethoxy]-2-fluorophenyl]-2,3,4,5,6,7-hexahydro-3-(1-methylethylidene)- (CA INDEX NAME)

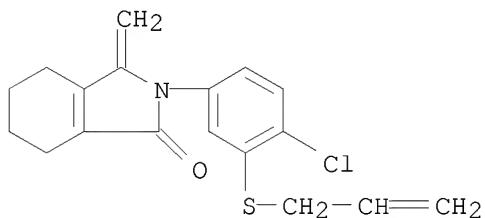


RN 133715-62-5 CAPLUS

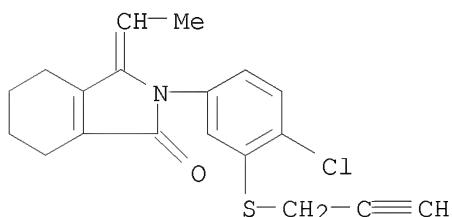
CN 1H-Isoindol-1-one, 2-[4-chloro-3-(2-propyn-1-ylthio)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



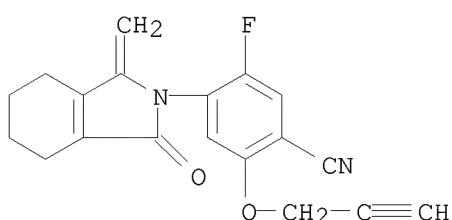
RN 133715-63-6 CAPLUS  
 CN 1H-Isoindol-1-one, 2-[4-chloro-3-(2-propen-1-ylthio)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



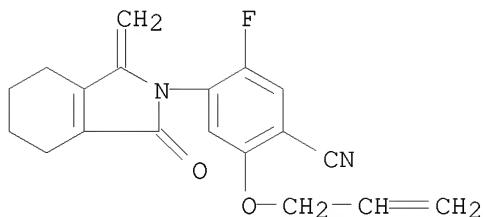
RN 133715-64-7 CAPLUS  
 CN 1H-Isoindol-1-one, 2-[4-chloro-3-(2-propyn-1-ylthio)phenyl]-3-ethylidene-2,3,4,5,6,7-hexahydro- (CA INDEX NAME)



RN 133715-66-9 CAPLUS  
 CN Benzonitrile, 5-fluoro-4-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

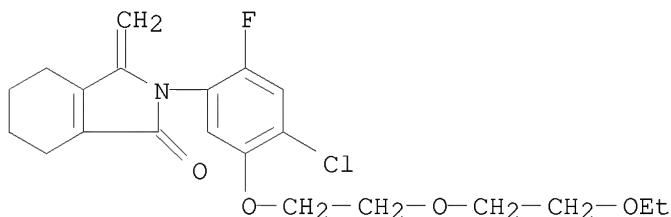


RN 133715-69-2 CAPLUS  
 CN Benzonitrile, 5-fluoro-4-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)-2-(2-propen-1-yloxy)- (CA INDEX NAME)



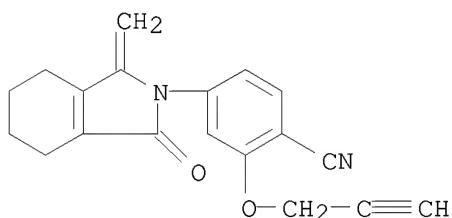
RN 133715-71-6 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-[2-(2-ethoxyethoxy)ethoxy]-2-fluorophenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



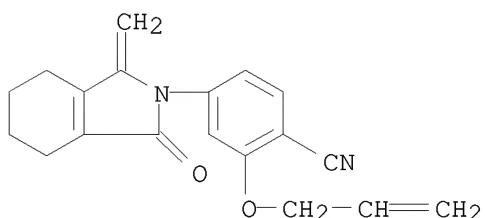
RN 133715-72-7 CAPLUS

CN Benzonitrile, 4-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



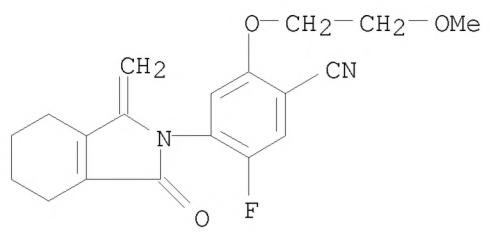
RN 133715-73-8 CAPLUS

CN Benzonitrile, 4-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)-2-(2-propen-1-yloxy)- (CA INDEX NAME)



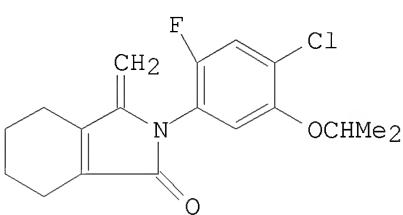
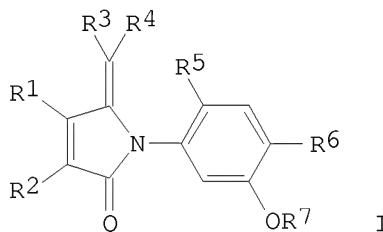
RN 133715-74-9 CAPLUS

CN Benzonitrile, 5-fluoro-4-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)-2-(2-methoxyethoxy)- (CA INDEX NAME)



L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1989:533984 CAPLUS  
 DOCUMENT NUMBER: 111:133984  
 ORIGINAL REFERENCE NO.: 111:22426h, 22427a  
 TITLE: Preparation and testing of 1-aryl-2-alkylidene-5-oxopyrrolines as herbicides and plant growth regulators  
 INVENTOR(S): Pissiotas, Georg; Moser, Hans; Brunner, Hans Georg  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: Eur. Pat. Appl., 59 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 305333	A2	19890301	EP 1988-810564	19880818
R: AT, BE, CH, AU 8821576	DE, ES, FR, GB, A	GR, IT, LI, LU, NL, SE	AU 1988-21576	19880826
BR 8804379	A	19890321	BR 1988-4379	19880826
HU 47540	A2	19890328	HU 1988-4468	19880826
HU 203081	B	19910528		
ZA 8806359	A	19890530	ZA 1988-6359	19880826
JP 01071855	A	19890316	JP 1988-213518	19880827
PRIORITY APPLN. INFO.:			CH 1987-3286	A 19870827
OTHER SOURCE(S):	MARPAT	111:133984		
GI				



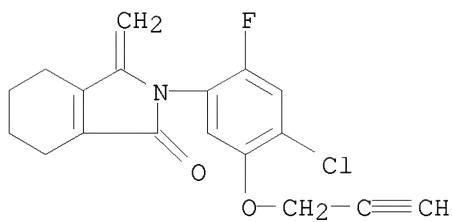
AB The title compds. [I; R1,R2 = H, C1-8 alkyl; R1R2 = (alkyl substituted) (CH2)4; R3,R4 = H, C1-4 alkyl, (substituted) Ph; R3R4 = (alkyl substituted) (CH2)n; n = 2-6; R5 = H, F; R6 = halo; R7 = R1, C3-8 alkenyl alkynyl, C3-7 cycloalkyl, substituted C1-4 alkyl], useful as herbicides, were prepared 2-(4-Chloro-2-fluoro-5-isopropoxyphenyl)-4,5,6,7-tetrahydroisoindole-2H-1,3-dione in Et2O was added to MeMgI and the mixture was refluxed 1 h to give a 3° alc. which was stirred neat with KHSO4 for 30 min at 140° to give 2-aryl-3-methylene-tetrahydroisoindole II. At 125 g/ha preemergent, II gave complete control of Echinochloa crus-galli and Monochoria vagi in rice paddies, while leaving rice plants unaffected.

IT 115296-55-4P 122477-91-2P 122478-01-7P  
 122478-02-8P 122478-05-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide and plant growth regulator)

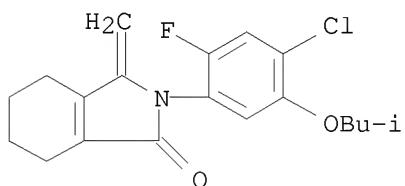
RN 115296-55-4 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



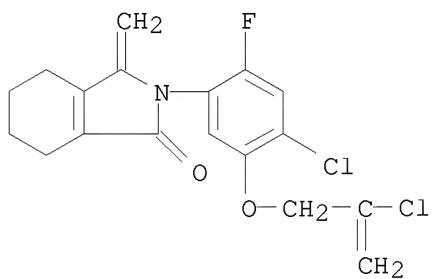
RN 122477-91-2 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-methylpropoxy)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



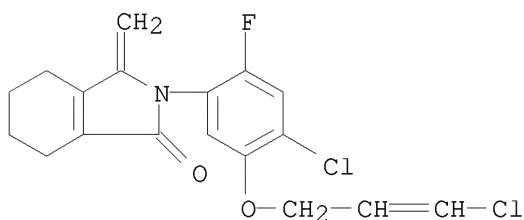
RN 122478-01-7 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-[(2-chloro-2-propen-1-yl)oxy]-2-fluorophenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



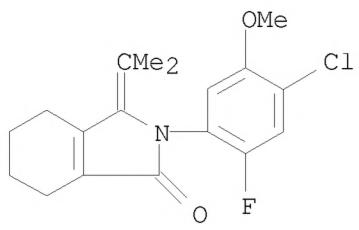
RN 122478-02-8 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-[(3-chloro-2-propen-1-yl)oxy]-2-fluorophenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



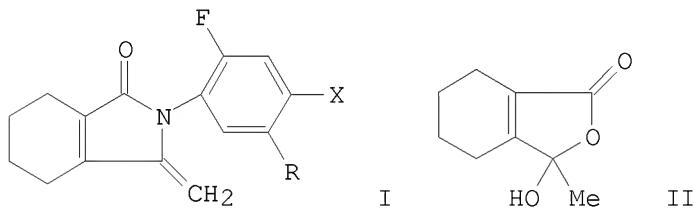
RN 122478-05-1 CAPLUS

CN 1H-Isoindol-1-one, 2-(4-chloro-2-fluoro-5-methoxyphenyl)-2,3,4,5,6,7-hexahydro-3-(1-methylethylidene)- (CA INDEX NAME)



L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1988:437735 CAPLUS  
DOCUMENT NUMBER: 109:37735  
ORIGINAL REFERENCE NO.: 109:6383a,6386a  
TITLE: Preparation of tetrahydroisoindolone derivatives as herbicides  
INVENTOR(S): Saito, Kenji; Hagiwara, Kenji; Hara, Tamio; Ishikawa, Hisao; Inaba, Hideo; Sato, Junji  
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63039859	A	19880220	JP 1986-182895	19860804
JP 07084442	B	19950913		
PRIORITY APPLN. INFO.:			JP 1986-182895	19860804
OTHER SOURCE(S):	MARPAT 109:37735			
GI				



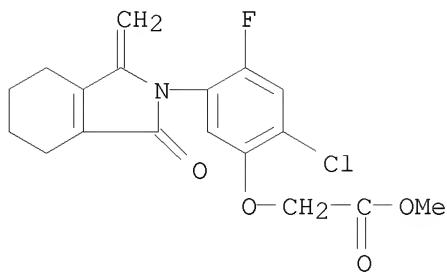
AB The title compds. I [X = halo; R = CO<sub>2</sub>R<sub>1</sub>, YR<sub>2</sub>; R<sub>1</sub> = H, (substituted) lower alkyl; Y = O, S; R<sub>2</sub> = H, (substituted) lower hydrocarbyl], useful as herbicides, were prepared from II. A mixture of II 4.5, p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H 0.5, and 2-chloro-4-fluoro-5-aminophenol 4.33 g in 30 mL xylene was refluxed for 20 h to give 6.9 g I (X = Cl, R = OH) (III). At 5 g/are, III gave complete kill of Cyperus difformis.

IT 115296-45-2P 115296-46-3P 115296-52-1P  
 115296-53-2P 115296-54-3P 115296-55-4P  
 115296-56-5P 115296-60-1P 115296-61-2P  
 115296-65-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

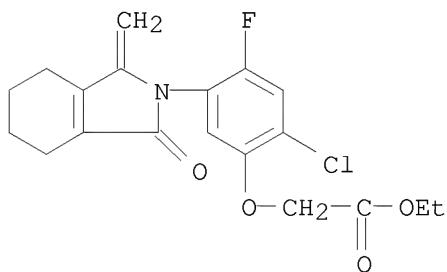
RN 115296-45-2 CAPLUS

CN Acetic acid, 2-[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)phenoxy]-, methyl ester (CA INDEX NAME)



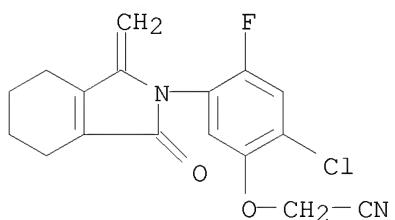
RN 115296-46-3 CAPLUS

CN Acetic acid, 2-[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)phenoxy]-, ethyl ester (CA INDEX NAME)



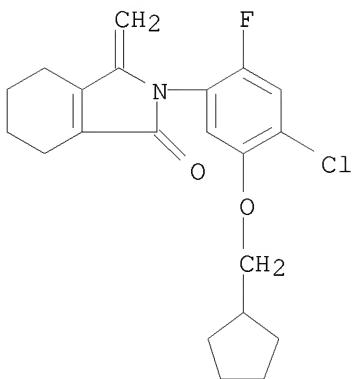
RN 115296-52-1 CAPLUS

CN Acetonitrile, 2-[2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)phenoxy]- (CA INDEX NAME)



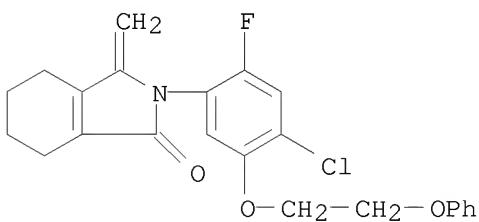
RN 115296-53-2 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-5-(cyclopentylmethoxy)-2-fluorophenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



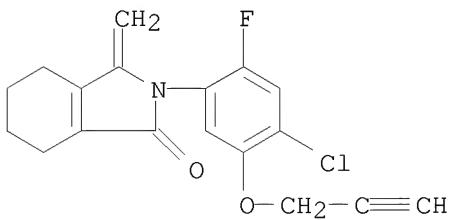
RN 115296-54-3 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-phenoxyethoxy)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



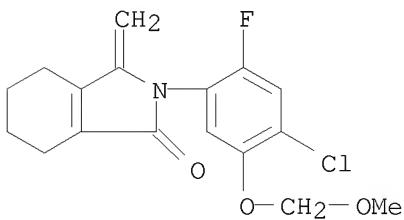
RN 115296-55-4 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(2-propyn-1-yloxy)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



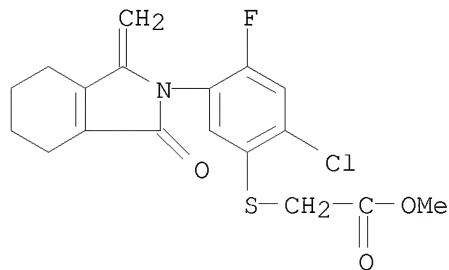
RN 115296-56-5 CAPLUS

CN 1H-Isoindol-1-one, 2-[4-chloro-2-fluoro-5-(methoxymethoxy)phenyl]-2,3,4,5,6,7-hexahydro-3-methylene- (CA INDEX NAME)



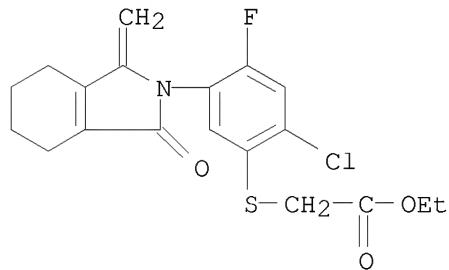
RN 115296-60-1 CAPLUS

CN Acetic acid, 2-[(2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)phenyl)thio]-, methyl ester (CA INDEX NAME)



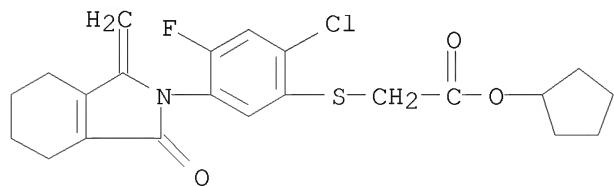
RN 115296-61-2 CAPLUS

CN Acetic acid, 2-[(2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)phenyl)thio]-, ethyl ester (CA INDEX NAME)

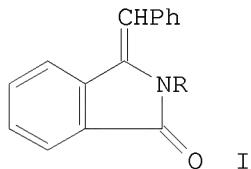


RN 115296-65-6 CAPLUS

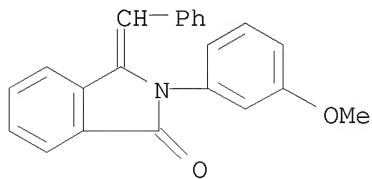
CN Acetic acid, 2-[(2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1-methylene-3-oxo-2H-isoindol-2-yl)phenyl)thio]-, cyclopentyl ester (CA INDEX NAME)



L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1980:181066 CAPLUS  
 DOCUMENT NUMBER: 92:181066  
 ORIGINAL REFERENCE NO.: 92:29333a,29336a  
 TITLE: Studies on phthalimidines: Part I. Synthesis and fungitoxicity of some N-substituted phthalimidines  
 AUTHOR(S): Mund, A. P.; Behera, R. K.; Nayak, A.; Behera, G. B.  
 CORPORATE SOURCE: Postgrad. Dep. Chem., Sambalpur Univ., Sambalpur, 768017, India  
 SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1979), 17B(4), 404-5  
 CODEN: IJSBDB; ISSN: 0376-4699  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



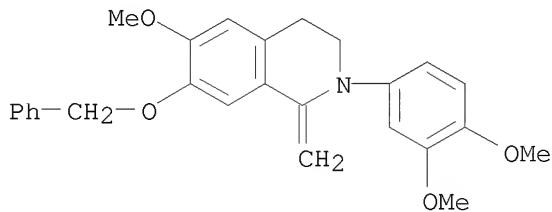
AB Twenty-one phthalimidines I [R = (un)substituted Ph or 2-benzothiazolyl] were prepared by reaction of benzalphthalide with the appropriate amine RNH<sub>2</sub>. I have marked fungitoxicity at 10 ppm.  
 IT 73518-32-8P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and fungicidal activity of)  
 RN 73518-32-8 CAPLUS  
 CN 1H-Isoindol-1-one, 2,3-dihydro-2-(3-methoxyphenyl)-3-(phenylmethylene)- (CA INDEX NAME)



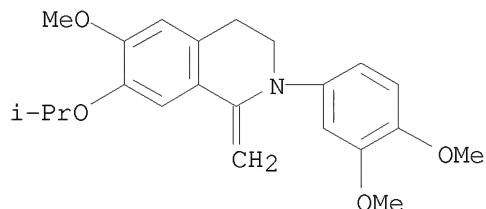
L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1978:51054 CAPLUS  
 DOCUMENT NUMBER: 88:51054  
 ORIGINAL REFERENCE NO.: 88:8069a,8072a  
 TITLE: Application of enamine photocyclization to a total synthesis of  $(\pm)$ -cryptaustoline  
 AUTHOR(S): Ninomiya, Ichiya; Yasui, Junko; Kiguchi, Toshiko  
 CORPORATE SOURCE: Kobe Women's Coll. Pharm., Higashinada, Japan  
 SOURCE: Heterocycles (1977), 6(11), 1855-60  
 CODEN: HTCYAM; ISSN: 0385-5414  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB  $(\pm)$ -Cryptaustoline (I) was prepared from the phenylacetanilide II, via photochem. cyclization of the anamine III to the dibenzopyrrocoline IV.  
 IT 65341-63-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and photochem. cyclization of, indoloisoquinoline derivs. from)  
 RN 65341-63-1 CAPLUS  
 CN Isoquinoline, 2-(3,4-dimethoxyphenyl)-1,2,3,4-tetrahydro-6-methoxy-1-methylene-7-(phenylmethoxy)- (CA INDEX NAME)



IT 65374-44-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and total cyclization of, indoloisoquinoline from)  
 RN 65374-44-9 CAPLUS  
 CN Isoquinoline, 2-(3,4-dimethoxyphenyl)-1,2,3,4-tetrahydro-6-methoxy-1-methylene-7-(1-methylethoxy)- (CA INDEX NAME)



L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1970:498642 CAPLUS  
DOCUMENT NUMBER: 73:98642  
ORIGINAL REFERENCE NO.: 73:16087a,16090a  
TITLE: 3-Formylmethyleneephthalimidines  
INVENTOR(S): Seefelder, Matthias; Mueller, Hans Richard  
PATENT ASSIGNEE(S): Badische Anilin- & Soda-Fabrik AG  
SOURCE: Ger. Offen., 7 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1905833	A	19700903	DE 1969-1905833	19690206
CH 542203	A	19731115	CH 1970-1291	19700129
GB 1288685	A	19720913	GB 1970-1288685	19700205
FR 2034016	A6	19701204	FR 1970-4213	19700206
PRIORITY APPLN. INFO.:			DE 1969-1905833	A 19690206

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.

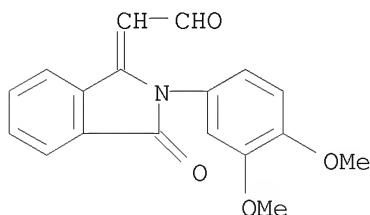
AB The title compds. (I) ( $R = \text{CHO}$ ) were prepared from I ( $R = \text{H}$ ) and R2R3NCHO (II). Thus, a mixture of I ( $R = \text{H}$ ,  $R1 = p\text{-O}_2\text{NC}_6\text{H}_4$ ) in  $\text{CHCl}_3$ , II ( $R2 = R3 = \text{Me}$ ), and  $\text{COC}_2\text{Cl}_2$  was kept 1 hr at 0-5, 1 hr at 25, and 1 hr at  $45^\circ$  to give 90% I ( $R = \text{CHO}$ ,  $R1 = p\text{-O}_2\text{NC}_6\text{H}_4$ ). Similarly prepared were I ( $R = \text{CHO}$ ) ( $R1$  given):  $p\text{-C}_1\text{C}_6\text{H}_4$ ; 2, 4-(MeO)2C6H3; HO2CCH<sub>2</sub>; 2, 4-C12C6H3, Et, iso-Pr.

IT 29262-73-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 29262-73-5 CAPLUS

CN  $\Delta 1, \alpha$ -Isoindolineacetaldehyde, 2-(2,4-dimethoxyphenyl)-3-oxo-(8CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	57.38	235.95
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-8.00	-8.00

STN INTERNATIONAL LOGOFF AT 10:34:20 ON 17 SEP 2008